

### **ABSTRACT OF THE DISCLOSURE**

A pet tracking collar comprises a length of clear flexible tubing having a fastener adapted to fasten around the pet. Hermetically sealed within the tubing is an electrical ribbon cable extending through the length thereof. A plurality of light-emitting diodes, visible through the clear tubing, are wirelessly connected at spaced intervals to the cable. The tracking collar also includes an antenna within the electrical ribbon cable, and a radio transmitter secured to the cable adapted to transmit a radio frequency signal. The cable is secured within the flexible tubing such that strain along the length of the tubing is not transmitted to the cable therein. The collar's battery compartment has sufficient clearance between the battery and walls of the battery compartment to shed water after the collar is wetted. A radio frequency signal receiver determines direction or distance of the collar with respect to the receiver.